

Claims

1. A base part (10) for mobile phone (50), **characterized** in that the base part (10) is integrated of a hard body part (11), a phone window (4) and a soft middle part (12), which is connecting the mentioned parts (4, 11) and that the phone window (4) is foldable against the hard body part (11) along a hinge line (13) created in the soft middle part (12).
2. The base part (10) according to claim 1, **characterized** in that to the base part (10) are integrated one or more of the following parts; a display light guide, a keypad light guide, a keypad (6), a keypad graphics (16), a keypad contacting surface (21), a display holder (19), a display connector holder (8), an earpiece holder (17), a buzzer holder, a display gasket (14), an earpiece gasket (15), a buzzer gasket.
3. A mobile phone (50), **characterized** in that the mobile phone (50) has one base part (10) which is integrated of a hard body part (11), a phone window (4) and a soft middle part (12), which is connecting the mentioned parts (4, 11) and that the phone window (4) is foldable against the hard body part (11) along a hinge line (13) created in the soft middle part (12).
4. The mobile phone (50) according to claim 3, **characterized** in that to the base part (10) are integrated one or more of the following parts; a display light guide, a keypad light guide, a keypad (6), a keypad graphics (16), a keypad contacting surface (21), a display holder (19), a display connector holder (8), an earpiece holder (17), a buzzer holder, a display gasket (14), an earpiece gasket (15), a buzzer gasket.
5. The mobile phone (50) according to claim 3 or 4, **characterized** in that to the mobile phone (50) are also connected a upper cover (9) and a back cover containing the phone's engine including a battery.
6. A method of manufacturing a base part (10) for a mobile phone (50) by injection molding, **characterized** in that the method includes the following two stages:
 - a) performing a first stage of injection molding with a first injection mold producing a phone window (4) and a hard body part (11) of hard plastic
 - b) performing a second stage of injection molding with a soft elastomere producing a soft middle part (12) which has a hinge line (13) to fold up the phone window (4) against the hard body part (11).

7. The method according to claim 6, **characterized** in that at the first injection molding stage a) are produced one or more of the following parts which are integrated to the base part (10); a display holder (19), a display connector holder (18), an earpiece holder (17), a buzzer holder, a keypad (6), a keypad graphics (16), a display light guide, a keypad light guide.

8. The method according to claim 6 or 7, **characterized** in that at the second injection molding stage b) are produced one or more of the following parts and integrated to the base part (10); a display gasket (14), an earpiece gasket (15), a buzzer gasket, a keypad contacting surface (21).